

**CHEMILUMINESCENT LIQUID CORE GOLF BALL**

**ABSTRACT:** An illuminated golf ball comprised of an outer translucent layer and cover, and a spherical inner core of translucent plastic, filled with chemiluminescent liquid, such as Cyalume.TM. The two components of the chemiluminescent liquid are held separate by a membrane or partition within the inner core. The chemiluminescent liquids are activated by being mixed with each other by the pulling of a cord, or the pulling or pushing of metal pin, or by impact from a golf club, which breaks or tears the membrane or partition. In a preferred form the golf ball will be made to comply with USGA guidelines. Thus, the golf ball will provide improved visibility in low light conditions and be of near equal weight distribution to provide performance and flight characteristics similar to standard, non-luminescent, golf balls.

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